

CLAIMS

1. A clothes dryer (1), which comprises a swivel-mounted clothes drum (2) for accommodating and for moving fabrics (4), a processing air channel (5) for supplying processing air to the clothes drum (2) and processing air heating (9) for heating at least the processing air in the clothes dryer (1), characterised in that for removing odiferous substances from fabrics (4) the clothes dryer (1) has at least one processing unit (10, 15) for a fluid for generating mist or steam and the processing unit (10, 15) is connected to the processing air channel (5).
2. The clothes dryer as claimed in Claim 1, characterised in that the processing unit (10, 15) is arranged in the processing air channel (5), preferably directly in front of the inlet opening (51) of the processing air channel (5) in the clothes drum (2).
3. The clothes dryer as claimed in any one of Claims 1 or 2, characterised in that the processing unit is an evaporator (10) for evaporating fluid, preferably water.
4. The clothes dryer as claimed in any one of Claims 1 to 3, characterised in that the evaporator (10) has a heating device, which is formed by the processing air heating (9) of the clothes dryer (1).
5. The clothes dryer as claimed in any one of Claims 1 or 2, characterised in that the processing unit is an atomiser (15).

6. The clothes dryer as claimed in Claim 5, characterised in that the atomiser (15) is an ultrasound atomiser.
7. The clothes dryer as claimed in any one of Claims 1 to 6, characterised in that the clothes dryer (1) is a clothes dryer of the condensate structure and the clothes dryer (1) has a water supply pipe (11) from a condensate collection container (13) for conveying the condensation water generated on a condenser (6) to the processing unit (10, 15).
8. The clothes dryer as claimed in any one of Claims 1 to 7, characterised in that a filter (8) for filtering out odiferous substances is connected downstream of the clothes drum (2).
9. A process for removing odiferous substances from fabrics in a clothes dryer, characterised in that fluid is converted into steam in the clothes dryer (1), this steam flows through the fabrics (4) located in the clothes drum (2) of the clothes dryer (1) and moved therein, there absorbs odiferous substances deposited on the fabrics and the steam is carried away with the processing air out of the clothes drum (2)
10. The process as claimed in Claim 9, characterised in that the steam is generated in an evaporator (10) connected upstream of the clothes drum (2).
11. The process as claimed in Claim 9, characterised in that mist is produced in an atomiser (15) connected upstream of the clothes drum (2), this is conveyed to the clothes drum (2) and steam is produced from the mist in the clothes drum (2).

12. The process as claimed in any one of Claims 9 to 11, characterised in that odiferous substances are separated out of the steam downstream of the clothes drum by means of a filter, preferably an active carbon filter or a photocatalytic filter.
13. The process as claimed in any one of Claims 9 to 11, characterised in that along with the absorbed odiferous substances downstream of the clothes drum the steam is separated out in a condensation unit.